

Biofertilizer Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/B7384FAB8A2EN.html>

Date: June 2023

Pages: 144

Price: US\$ 2,499.00 (Single User License)

ID: B7384FAB8A2EN

Abstracts

The global biofertilizer market size reached US\$ 2.7 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 5.8 Billion by 2028, exhibiting a growth rate (CAGR) of 12.8% during 2023-2028.

Biofertilizers are made from biological waste that contains living microorganisms. Unlike chemical fertilizers, which offer direct nutrition to the plant, biofertilizers help in improving the overall soil fertility. The microorganisms present in these fertilizers decompose organic matter and breakdown complex minerals for easy absorption by plants. This process enriches the soil with nutrients, which in turn promotes healthy plant growth. Moreover, biofertilizers do not allow pathogens to grow, which helps in preventing crop diseases. The several advantages offered by biofertilizers over their chemical counterparts have led to their rapid adoption in the agriculture sector.

Although the penetration of biofertilizers is still at a nascent stage, both the developing and emerging markets are expected to provide numerous growth opportunities over the next few years. The understanding of the environmental hazards caused by the use of synthetic agrichemicals, primarily the pollution and contamination of the soil and the food chain, has pushed the demand for biological products. Apart from this, growing health concerns have also urged people to adopt organic foods and other agricultural products. Another major factor driving the sales of biofertilizers is the increasing implementation of favorable regulatory policies by various governments.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global biofertilizer market report, along with forecasts at the global and regional level from 2023-2028. Our report has categorized the market based on type, crop, microorganism

and mode of application.

Breakup by Type:

- Nitrogen-fixing biofertilizers
- Phosphate-fixing biofertilizers
- Others

Currently, nitrogen-fixing biofertilizers, such as rhizobium, azotobacter, and azospirillum account for majority of the market share. On the other hand, phosphate-fixing biofertilizers are expected to witness rapid growth over the next few years.

Breakup by Crop:

- Cereals and grains
- Pulses and oilseeds
- Fruits and vegetables
- Others

At present, cereals and grains represent the dominant crop segment. Biofertilizers are widely used for effective production of different cereals and grains, such as wheat, oats, and rice, as they aid in enhancing their yield under poor land conditions.

Breakup by Microorganism:

- Cyanobacter
- Rhizobium
- Phosphate Solubilizing Bacteria
- Azotobacter
- Others

Among these, cyanobacter is the leading microorganism segment. Cyanobacter-based biofertilizers offer reduced input cost, increase the bioavailability of phosphorus, and help in nutrient cycling as well as nitrogen fixation.

Breakup by Mode of Application:

- Seed treatment
- Soil treatment

Others

Seed treatment is the most preferred mode of application as it protects the seeds from pathogens and insects and enhances seedling establishment and early plant growth. In addition, it is more cost-effective and user-friendly as compared to the other modes.

Regional Insights:

Asia Pacific

North America

Europe

Others

On the geographical front, North America is the largest market, holding the dominant market share. The growing emphasis on organic agriculture, coupled with the high population, is the primary factor driving the demand for biofertilizers in the region.

Competitive Landscape:

The market is highly fragmented with the presence of numerous small and large manufacturers who compete in terms of prices and quality. Some of the leading players operating in the market are:

Novozymes A/S

National Fertilizers Limited

Madras Fertilizers Limited

Gujarat State Fertilizers & Chemicals Ltd.

Rizobacter Argentina S.A.

T.Stanes & Company Limited

Camson Bio Technologies Limited

Rashtriya Chemicals & Fertilizers Ltd.

Lallemand Inc.

Nutramax Laboratories, Inc.

Key Questions Answered in This Report

1. What was the size of the global biofertilizer market in 2022?
2. What is the expected growth rate of the global biofertilizer market during 2023-2028?
3. What are the key factors driving the global biofertilizer market?
4. What has been the impact of COVID-19 on the global biofertilizer market?

5. What is the breakup of the global biofertilizer market based on the type?
6. What is the breakup of global biofertilizer market based on the crop?
7. What is the breakup of the global biofertilizer market based on the microorganism?
8. What is the breakup of the global biofertilizer market based on the mode of application?
9. What are the key regions in the global biofertilizer market?
10. Who are the key companies/players in the global biofertilizer market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL BIOFERTILIZER INDUSTRY

- 5.1 Market Overview
- 5.2 Market Performance
 - 5.2.1 Volume Trends
 - 5.2.2 Value Trends
- 5.3 Impact of COVID-19
- 5.4 Price Analysis
 - 5.4.1 Key Price Indicators
 - 5.4.2 Price Structure
 - 5.4.3 Price Trends
- 5.5 Market Breakup by Region
- 5.6 Market Breakup by Type
- 5.7 Market Breakup by Crop
- 5.8 Market Breakup by Microorganism
- 5.9 Market Breakup by Mode of Application

- 5.10 Market Forecast
- 5.11 SWOT Analysis
 - 5.11.1 Overview
 - 5.11.2 Strengths
 - 5.11.3 Weaknesses
 - 5.11.4 Opportunities
 - 5.11.5 Threats
- 5.12 Value Chain Analysis
 - 5.12.1 Overview
 - 5.12.2 Research and Development
 - 5.12.3 Raw Material Procurement
 - 5.12.4 Manufacturing
 - 5.12.5 Marketing
 - 5.12.6 Distribution
 - 5.12.7 End-Use
- 5.13 Porter's Five Forces Analysis
 - 5.13.1 Overview
 - 5.13.2 Bargaining Power of Buyers
 - 5.13.3 Bargaining Power of Suppliers
 - 5.13.4 Degree of Competition
 - 5.13.5 Threat of New Entrants
 - 5.13.6 Threat of Substitutes
- 5.14 Key Market Drivers and Success Factors

6 PERFORMANCE OF KEY REGIONS

- 6.1 Asia Pacific
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 North America
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Europe
 - 6.3.1 Market Trends
 - 6.3.2 Market Forecast
- 6.4 Others
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast

7 MARKET BREAKUP BY TYPE

7.1 Nitrogen-Fixing Biofertilizers

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Phosphate-Fixing Biofertilizers

7.2.1 Market Trends

7.2.2 Market Forecast

7.3 Others

7.3.1 Market Trends

7.3.2 Market Forecast

8 MARKET BREAKUP BY CROP

8.1 Cereals and Grains

8.1.1 Market Trends

8.1.2 Market Forecast

8.2 Pulses and Oilseeds

8.2.1 Market Trends

8.2.2 Market Forecast

8.3 Fruits and Vegetables

8.3.1 Market Trends

8.3.2 Market Forecast

8.4 Others

8.4.1 Market Trends

8.4.2 Market Forecast

9 MARKET BREAKUP BY MICROORGANISM

9.1 Cyanobacter

9.1.1 Market Trends

9.1.2 Market Forecast

9.2 Rhizobium

9.2.1 Market Trends

9.2.2 Market Forecast

9.3 Phosphate Solubilizing Bacteria

9.3.1 Market Trends

9.3.2 Market Forecast

9.4 Azotobacter

- 9.4.1 Market Trends
- 9.4.2 Market Forecast
- 9.5 Others
 - 9.5.1 Market Trends
 - 9.5.2 Market Forecast

10 MARKET BREAKUP BY MODE OF APPLICATION

- 10.1 Seed Treatment
 - 10.1.1 Market Trends
 - 10.1.2 Market Forecast
- 10.2 Soil Treatment
 - 10.2.1 Market Trends
 - 10.2.2 Market Forecast
- 10.3 Others
 - 10.3.1 Market Trends
 - 10.3.2 Market Forecast

11 COMPETITIVE LANDSCAPE

- 11.1 Market Structure
- 11.2 Key Player

12 BIOFERTILIZER MANUFACTURING PROCESS

- 12.1 Product Overview
- 12.2 Detailed Process Flow
- 12.3 Various Types of Unit Operations Involved
- 12.4 Mass Balance and Raw Material Requirements

13 PROJECT DETAILS, REQUIREMENTS AND COSTS INVOLVED

- 13.1 Land Requirements and Expenditures
- 13.2 Construction Requirements and Expenditures
- 13.3 Plant Layout
- 13.4 Plant Machinery
- 13.5 Raw Material Requirements and Expenditures
- 13.6 Packaging Requirements and Expenditures
- 13.7 Transportation Requirements and Expenditures

- 13.8 Utility Requirements and Expenditures
- 13.9 Manpower Requirements and Expenditures
- 13.10 Other Capital Investments

14 LOANS AND FINANCIAL ASSISTANCE

15 PROJECT ECONOMICS

- 15.1 Capital Cost of the Project
- 15.2 Techno-Economic Parameters
- 15.3 Product Pricing and Margins Across Various Levels of the Supply Chain
- 15.4 Taxation and Depreciation
- 15.5 Income Projections
- 15.6 Expenditure Projections
- 15.7 Financial Analysis
- 15.8 Profit Analysis

16 KEY PLAYER PROFILES

- 16.1 Novozymes A/S
- 16.2 National Fertilizers Limited
- 16.3 Madras Fertilizers Limited
- 16.4 Gujarat State Fertilizers & Chemicals Ltd.
- 16.5 Rizobacter Argentina S.A.
- 16.6 T.Stanes & Company Limited
- 16.7 Camson Bio Technologies Limited
- 16.8 Rashtriya Chemicals & Fertilizers Ltd.
- 16.9 Lallemand Inc.
- 16.10 Nutramax Laboratories

List Of Tables

LIST OF TABLES

- Table 1: Global: Biofertilizer Market: Key Industry Highlights, 2022 and 2028
- Table 2: Global: Biofertilizer Market Forecast: Breakup by Region (in Million US\$), 2023-2028
- Table 3: Global: Biofertilizer Market Forecast: Breakup by Type (in Million US\$), 2023-2028
- Table 4: Global: Biofertilizer Market Forecast: Breakup by Crop (in Million US\$), 2023-2028
- Table 5: Global: Biofertilizer Market Forecast: Breakup by Microorganism (in Million US\$), 2023-2028
- Table 6: Global: Biofertilizer Market Forecast: Breakup by Mode of Application (in Million US\$), 2023-2028
- Table 7: Global: Biofertilizer Market: Competitive Structure
- Table 8: Global: Biofertilizer Market: Key Players
- Table 9: Biofertilizer Manufacturing Plant: Costs Related to Land and Site Development (in US\$)
- Table 10: Biofertilizer Manufacturing Plant: Costs Related to Civil Works (in US\$)
- Table 11: Biofertilizer Manufacturing Plant: Costs Related to Machinery (in US\$)
- Table 12: Biofertilizer Manufacturing Plant: Raw Material Requirements
- Table 13: Biofertilizer Manufacturing Plant: Costs Related to Salaries and Wages (in US\$)
- Table 14: Biofertilizer Manufacturing Plant: Costs Related to Other Capital Investments (in US\$)
- Table 15: Biofertilizer Manufacturing Plant: Details of Financial Assistance Offered by Financial Institutions
- Table 16: Biofertilizer Manufacturing Plant: Capital Costs (in US\$)
- Table 17: Biofertilizer Manufacturing Plant: Techno-Economic Parameters
- Table 18: Biofertilizer Manufacturing Plant: Taxation and Depreciation (in US\$)
- Table 19: Biofertilizer Manufacturing Plant: Income Projections (in US\$)
- Table 20: Biofertilizer Manufacturing Plant: Expenditure Projections (in US\$)
- Table 21: Biofertilizer Manufacturing Plant: Cash Flow Analysis Without Considering the Income Tax Liability (in US\$)
- Table 22: Biofertilizer Manufacturing Plant: Cash Flow Analysis on Considering the Income Tax Liability (in US\$)
- Table 23: Biofertilizer Manufacturing Plant: Profit and Loss Account (in US\$)

List Of Figures

LIST OF FIGURES

- Figure 1: Global: Biofertilizer Market: Major Drivers and Challenges
- Figure 2: Global: Biofertilizer Market: Volume Trends (in Million Tons), 2017-2022
- Figure 3: Global: Biofertilizer Market: Value Trends (in Billion US\$), 2017-2022
- Figure 4: Global: Biofertilizer Market: Average Prices (in US\$/Ton), 2017-2022
- Figure 5: Biofertilizer Market: Price Structure
- Figure 6: Global: Biofertilizer Market: Breakup by Region (in %), 2022
- Figure 7: Global: Biofertilizer Market: Breakup by Type (in %), 2022
- Figure 8: Global: Biofertilizer Market: Breakup by Crop (in %), 2022
- Figure 9: Global: Biofertilizer Market: Breakup by Microorganism (in %), 2022
- Figure 10: Global: Biofertilizer Market: Breakup by Mode of Application (in %), 2022
- Figure 11: Global: Biofertilizer Market Forecast: Volume Trends (in Million Tons), 2023-2028
- Figure 12: Global: Biofertilizer Market Forecast: Value Trends (in Billion US\$), 2023-2028
- Figure 13: Global: Biofertilizer Industry: SWOT Analysis
- Figure 14: Global: Biofertilizer Industry: Value Chain Analysis
- Figure 15: Global: Biofertilizer Industry: Porter's Five Forces Analysis
- Figure 16: Asia Pacific: Biofertilizer Market (in Million US\$), 2017 & 2022
- Figure 17: Asia Pacific: Biofertilizer Market Forecast (in Million US\$), 2023-2028
- Figure 18: North America: Biofertilizer Market (in Million US\$), 2017 & 2022
- Figure 19: North America: Biofertilizer Market Forecast (in Million US\$), 2023-2028
- Figure 20: Europe: Biofertilizer Market (in Million US\$), 2017 & 2022
- Figure 21: Europe: Biofertilizer Market Forecast (in Million US\$), 2023-2028
- Figure 22: Others: Biofertilizer Market (in Million US\$), 2017 & 2022
- Figure 23: Others: Biofertilizer Market Forecast (in Million US\$), 2023-2028
- Figure 24: Global: Nitrogen-Fixing Biofertilizers Market: Value Trend (in Million US\$), 2017 & 2022
- Figure 25: Global: Nitrogen-Fixing Biofertilizers Market Forecast: Value Trend (in Million US\$), 2023-2028
- Figure 26: Global: Phosphate-Fixing Biofertilizers Market: Value Trend (in Million US\$), 2017 & 2022
- Figure 27: Global: Phosphate-Fixing Biofertilizers Market Forecast: Value Trend (in Million US\$), 2023-2028
- Figure 28: Global: Other Biofertilizers Market: Value Trend (in Million US\$), 2017 & 2022

Figure 29: Global: Other Biofertilizers Market Forecast: Value Trend (in Million US\$), 2023-2028

Figure 30: Global: Biofertilizer Market (Cereals and Grains): Value Trend (in Million US\$), 2017 & 2022

Figure 31: Global: Biofertilizer Market Forecast (Cereals and Grains): Value Trend (in Million US\$), 2023-2028

Figure 32: Global: Biofertilizer Market (Pulses and Oilseeds): Value Trend (in Million US\$), 2017 & 2022

Figure 33: Global: Biofertilizer Market Forecast (Pulses and Oilseeds): Value Trend (in Million US\$), 2023-2028

Figure 34: Global: Biofertilizer Market (Fruits and Vegetables): Value Trend (in Million US\$), 2017 & 2022

Figure 35: Global: Biofertilizer Market Forecast (Fruits and Vegetables): Value Trend (in Million US\$), 2023-2028

Figure 36: Global: Biofertilizer Market (Other Crop Types): Value Trend (in Million US\$), 2017 & 2022

Figure 37: Global: Biofertilizer Market Forecast (Other Crop Types): Value Trend (in Million US\$), 2023-2028

Figure 38: Global: Biofertilizer Market (Cyanobacter): Value Trend (in Million US\$), 2017 & 2022

Figure 39: Global: Biofertilizer Market Forecast (Cyanobacter): Value Trend (in Million US\$), 2023-2028

Figure 40: Global: Biofertilizer Market (Rhizobium): Value Trend (in Million US\$), 2017 & 2022

Figure 41: Global: Biofertilizer Market Forecast (Rhizobium): Value Trend (in Million US\$), 2023-2028

Figure 42: Global: Biofertilizer Market (Phosphate Solubilizing Bacteria): Value Trend (in Million US\$), 2017 & 2022

Figure 43: Global: Biofertilizer Market Forecast (Phosphate Solubilizing Bacteria): Value Trend (in Million US\$), 2023-2028

Figure 44: Global: Biofertilizer Market (Azotobacter): Value Trend (in Million US\$), 2017 & 2022

Figure 45: Global: Biofertilizer Market Forecast (Azotobacter): Value Trend (in Million US\$), 2023-2028

Figure 46: Global: Biofertilizer Market (Other Microorganism): Value Trend (in Million US\$), 2017 & 2022

Figure 47: Global: Biofertilizer Market Forecast (Other Microorganism): Value Trend (in Million US\$), 2023-2028

Figure 48: Global: Biofertilizer Market (Seed Treatment): Value Trend (in Million US\$),

2017 & 2022

Figure 49: Global: Biofertilizer Market Forecast (Seed Treatment): Value Trend (in Million US\$), 2023-2028

Figure 50: Global: Biofertilizer Market (Soil Treatment): Value Trend (in Million US\$), 2017 & 2022

Figure 51: Global: Biofertilizer Market Forecast (Soil Treatment): Value Trend (in Million US\$), 2023-2028

Figure 52: Global: Biofertilizer Market (Other Treatment): Value Trend (in Million US\$), 2017 & 2022

Figure 53: Global: Biofertilizer Market Forecast (Other Treatment): Value Trend (in Million US\$), 2023-2028

Figure 54: Biofertilizer Manufacturing Plant: Detailed Process Flow

Figure 55: Biofertilizer Manufacturing: Conversion Rate of Feedstocks

Figure 56: Biofertilizer Manufacturing Plant: Proposed Plant Layout

Figure 57: Biofertilizer Manufacturing Plant: Breakup of Capital Costs (in %)

Figure 58: Biofertilizer Industry: Profit Margins at Various Levels of the Supply Chain

Figure 59: Biofertilizer Production: Manufacturing Cost Breakup (in %)

I would like to order

Product name: Biofertilizer Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Product link: <https://marketpublishers.com/r/B7384FAB8A2EN.html>

Price: US\$ 2,499.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/B7384FAB8A2EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

